

METHODS AND ELECTRONIC DEVICES FOR WIRELESS AD-HOC
NETWORK COMMUNICATIONS USING RECEIVER DETERMINED
CHANNELS AND TRANSMITTED REFERENCE SIGNALS

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ABSTRACT

Electronic devices for communicating in wireless ad-hoc networks and multiple access systems (such as mobile radio telephone communications systems) are disclosed. For example, a disclosed transmitter can transmit data to a first receiver in an ad-hoc wireless network (or multiple access system) over a first channel and can,
10 further, transmit data to a second receiver in the ad-hoc wireless network (or multiple access system) over a second channel that is separate from the first channel, where the first and second channels are determined by the respective receivers which will receive the first and second transmitted data. Accordingly, communications between transmitters and different receivers in the ad-hoc wireless network (or multiple access
15 system) can be carried on simultaneously. Related receivers as well as methods, computer program products, and systems for communicating are also disclosed.